

Title (en)

Plasma torch

Title (de)

Plasmabrenner

Title (fr)

Torche à plasma

Publication

**EP 2413671 A3 20140319 (EN)**

Application

**EP 11156651 A 20110302**

Priority

IT BO20100491 A 20100730

Abstract (en)

[origin: EP2413671A2] A high voltage plasma torch comprises an electrode, a nozzle, a system for circulation of a gas and a power cable; the power cable comprises a gas transit duct (2), a conducting braid (3) for electrically connecting the electrode to the negative pole of a current generator, a second wire (7) for connecting the nozzle to the positive pole of the current generator, a protective outer sheath (8); the conducting braid (3) is positioned outside the duct (2) and an insulating coating (5) for use with high voltages is placed on top of the conducting braid (3) to isolate it from the rest of the power cable (1).

IPC 8 full level

**H05H 1/34** (2006.01); **B23K 9/00** (2006.01); **H05H 1/36** (2006.01)

CPC (source: EP US)

**H05H 1/34** (2013.01 - EP US); **H05H 1/3478** (2021.05 - EP); **H05H 1/36** (2013.01 - EP)

Citation (search report)

- [XYI] US 2002162826 A1 20021107 - EICKHOFF STEPHEN T [US], et al
- [X] DE 102008014814 A1 20090924 - BINZEL ALEX SCHWEISSTECH [DE]
- [Y] US 5338917 A 19940816 - STUART KYLE H [US], et al
- [A] US 5440100 A 19950808 - STUART KYLE H [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2413671 A2 20120201; EP 2413671 A3 20140319**

DOCDB simple family (application)

**EP 11156651 A 20110302**